

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 16560
Application ID: 10064493
Title of Invention: APPLICATIONS OF SPACE-
CHARGE-LIMITED CONDUCTION
INDUCED CURRENT INCREASE IN
NITRIDE-OXIDE DIELECTRIC
CAPACITORS: VOLTAGE
REGULATOR FOR POWER SUPPLY
SYSTEM AND OTHERS
First Named Inventor: Fen Chen
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-07-22
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: BUR920010055
Digital Certificate Holder: cn=Richard A. Henkler, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: hojXx4WC5P9n6u4u9yIKDg==
Total Fees Authorized: \$780.0
Payment Category: DA - Deposit Account
Deposit Account Number: 90456
Deposit Account Name: Richard A. Henkler

TRANSMITTAL FORM



Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent Filing

Attorney Docket
Number:

BUR920010055

APPLICATIONS OF SPACE-CHARGE-LIMITED CONDUCTION INDUCED CURRENT INCREASE IN NITRIDE-OXIDE DIELECTRIC CAPACITORS: VOLTAGE REGULATOR FOR POWER SUPPLY SYSTEM AND OTHERS

First Named Inventor: Fen Chen

SUBMITTED BY

Name:	Mr. Richard A. Henkler Esq.
Registration Number:	39,220
Electronic Signature Mark: Richard A. Henkler /s/	Date Signed: 20020722

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	BUR920010055US1.Dec.1.tif
declaration	BUR920010055US1.Dec.2.tif
declaration	BUR920010055US1.Dec.3.tif
declaration	BUR920010055US1.Dec.4.tif
bibd-transmittal	BUR920010055US1.apds.xml
specification	BUR920010055US1.xml
patent-assignments	BUR920010055US1.asgn.xml
fee-transmittal	BUR920010055US1.fee.xml

Attached Image File(s):

BUR920010055US1.Dec.1.tif
BUR920010055US1.Dec.2.tif
BUR920010055US1.Dec.3.tif
BUR920010055US1.Dec.4.tif

Comments:

Assignee: International Business Machines Corporation Assignee Address: Armonk, NY 10504

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPLICATIONS OF SPACE-CHARGE-LIMITED CONDUCTION INDUCED CURRENT INCREASE IN NITRIDE-OXIDE DIELECTRIC CAPACITORS: VOLTAGE REGULATOR FOR POWER SUPPLY SYSTEM AND OTHERS

the specification of which:
(check one)

☒ is attached hereto.

☐ was filed on _____, as Application Serial No. _____ and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
--------	---------	----------------	------------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status
------------	-------------	--------

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Mark F. Chadurjian (Reg. No. 30,739), Richard M. Kotulak (Reg. No. 27,712), James M. Leas (Reg. No. 34,372), William D. Sabo (Reg. No. 27,465), Eugene I. Shkurko (Reg. No. 36,678), Robert A. Walsh (Reg. No. 26,516), Howard J. Walter, Jr. (Reg. No. 24,832), Richard A. Henkler (Reg. No. 39,220), Stanley B. Green (Reg. No. 24,351), Christopher A. Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753), Sean M. McGinn (Reg. No. 34,386), and Frederick W. Gibb, III (Reg. No. 37,629).

Send all correspondence to: McGinn & Gibb, PLLC, 2568-A Riva Road, Suite 304, Annapolis, Maryland 21401. Customer No. 28211

Telephone calls should be directed to McGinn & Gibb, PLLC at (410) 573-1545.

(1) Inventor: Fen Chen

Signature: _____

Date: _____

Residence: 238 Wildflower Circle, Williston, VT 05495

Citizenship: China

Post Office Address: Same as Residence

IBM Docket No.BUR920010055US1
EXPRESS LABEL # EF255373055US

(2) Inventor: Rajarao Jammy

Signature: _____ Date: _____


Residence: 5C Pembroke Circle, Wappingers Falls, New York 12590
Citizenship: India
Post Office Address: Same as Residence

(3) Inventor: Baozhen Li

Signature:  _____ Date: 06/05/02

Residence: 15 Fox Run Lane, South Burlington, VT 05403
Citizenship: United States of America
Post Office Address: Same as Residence

(4) Inventor: Sebastian T. Ventrone

Signature:  _____ Date: 6/6/02

Residence: 38 Butler Drive, South Burlington, VT 05403
Citizenship: United States of America
Post Office Address: Same as Residence

IBM Docket No. BUR920010055US1
EXPRESS LABEL # EF255373055US

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPLICATIONS OF SPACE-CHARGE-LIMITED CONDUCTION INDUCED CURRENT INCREASE IN NITRIDE-OXIDE DIELECTRIC CAPACITORS: VOLTAGE REGULATOR FOR POWER SUPPLY SYSTEM AND OTHERS

the specification of which:
(check one)

☒ is attached hereto.

☐ was filed on _____, as Application Serial No. _____ and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Number	Country	Day/Month/Year	Priority Claimed
--------	---------	----------------	------------------

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Applications:

Serial No.	Filing Date	Status
------------	-------------	--------

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Mark F. Chadurjian (Reg. No. 30,739), Richard M. Koulik (Reg. No. 27,712), James M. Leas (Reg. No. 34,372), William D. Sabo (Reg. No. 27,465), Eugene I. Shkurko (Reg. No. 36,678), Robert A. Walsh (Reg. No. 26,516), Howard J. Walter, Jr. (Reg. No. 24,832), Richard A. Henkler (Reg. No. 39,220), Stanley B. Green (Reg. No. 24,351), Christopher A. Hughes (Reg. No. 26,914), John E. Hoel (Reg. No. 26,279), Joseph C. Redmond, Jr. (Reg. No. 18,753), Sean M. McGinn (Reg. No. 34,386), and Frederick W. Gibb, III (Reg. No. 37,629).

Send all correspondence to: McGinn & Gibb, PLLC, 2568-A Riva Road, Suite 304, Annapolis, Maryland 21401. Customer No. 28211

Telephone calls should be directed to McGinn & Gibb, PLLC at (410) 573-1545.

(1) Inventor: Fen Chen

Signature: _____

Date: 6/5/02

Residence: 238 Wildflower Circle, Williston, VT 05495
Citizenship: China
Post Office Address: Same as Residence

JUN 07 2002 15:10 FR

TO 85329068

P.05/0

IBM Docket No.DUR920010055US1
EXPRESS LABEL # EF255373055US

(2) Inventor: Rajarao Jammy

Signature: [Signature] Date: 06/07/02

Residence: 5C Pembroke Circle, Wappingers Falls, New York 12590
Citizenship: India
Post Office Address: Same as Residence

(3) Inventor: Baozhen Li

Signature: [Signature] Date: 06/05/02

Residence: 15 Fox Run Lane, South Burlington, VT 05403
Citizenship: United States of America
Post Office Address: Same as Residence

(4) Inventor: Sebastian T. Ventrono

Signature: [Signature] Date: 6/6/02

Residence: 38 Buder Drive, South Burlington, VT 05403
Citizenship: United States of America
Post Office Address: Same as Residence

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 09-0456



Deposit Account Name: International Business Machines Corporation

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Richard A. Henkler
Electronic Signature Mark: Richard A. Henkler /s/
Date Signed: 20020708

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 16	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40